

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11821

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01L9/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 382 409 A (BAXTER JAMES A) 17 January 1995 (1995-01-17) column 1, line 1 - column 3, line 35; claims; figures 1-3	1-6
Y	US 3 916 157 A (ROULETTE ROBERT E ET AL) 28 October 1975 (1975-10-28) column 2, line 49 - column 3, line 35	1-6
A	US 5 894 733 A (BRODNER JOHN R) 20 April 1999 (1999-04-20) abstract; figures	1-6
A	US 5 750 075 A (SPIKE FREDERICK W) 12 May 1998 (1998-05-12) the whole document	1-6
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

23 June 2004

Date of mailing of the international search report

01/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Smith-Hewitt, L

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11821

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 4 094 641 A (FRISWELL DAVID R)  13 June 1978 (1978-06-13)  the whole document</p> <p>-----</p>	1-6

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11821

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5382409	A	17-01-1995	US 5536476 A	16-07-1996
			DE 69107298 D1	23-03-1995
			DE 69107298 T2	08-06-1995
			DE 508015 T1	25-11-1993
			EP 0508015 A2	14-10-1992
US 3916157	A	28-10-1975	NONE	
US 5894733	A	20-04-1999	NONE	
US 5750075	A	12-05-1998	NONE	
US 4094641	A	13-06-1978	CA 1117907 A1	09-02-1982
			DE 2807262 A1	31-08-1978
			FR 2382003 A1	22-09-1978
			GB 1581713 A	17-12-1980
			JP 1064339 C	22-09-1981
			JP 54036791 A	17-03-1979
			JP 56005585 B	05-02-1981